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(71) *Applicant (for all designated States except US):* MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 5718501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YOSHIDA, Shigeo. OHMI, Shinichiro. YASUKAWA, Tohru. YAMAGUCHI, Tsuyoshi [JP/JP]; 1-4-40-410, Nonakaminami, Yodogawa-ku, Osaka-shi, Osaka 5320022 (JP).

(74) Agent: OGASAWARA, Shiro; Daisan-Longev' Bldg.
3-11, Enokicho, Suita-shi, Osaka 5640053 (JP).

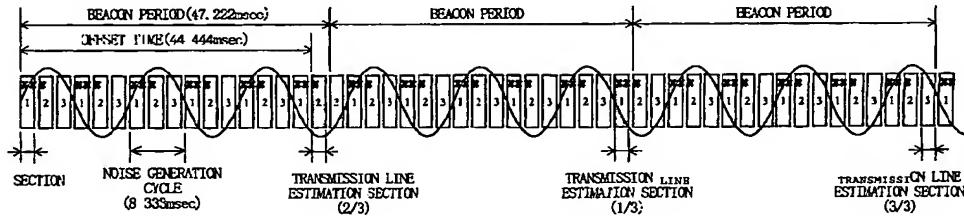
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(54) Title: METHOD AND APPARATUS FOR POWER LINE COMMUNICATION



(57) Abstract: The variation cycle L of the characteristics of a transmission line is divided into a plurality of sections (n sections), a procedure is repeated in which transmission line estimation is performed for only one section among n sections in one beacon period, and thus transmission line estimation is performed for all of the n sections. The beacon period T is set based on $(T=L \cdot Lm/n)$, where n is an integer that is 2 or larger, and m is an integer that is n or larger and whose greatest common measure with n is 1.